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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,406	11/22/2005	Fukuo Murai	107348-00482	1607
4372 ARENT FOX I	7590 05/21/2007 PLLC		EXAM	INER
1050 CONNECTICUT AVENUE, N.W.		RACHUBA, MAURINA T		
SUITE 400 WASHINGTO	N, DC 20036		ART UNIT	PAPER NUMBER
			3723	
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			MAIL DATE	DELIVERY MODE
			05/21/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
		10/533,406	MURAI, FUKUO			
	Office Action Summary	Examiner	Art Unit			
		Maurina Rachuba	3723			
Period fo	The MAILING DATE of this communication app	ears on the cover sheet with the	correspondence address			
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Status	· ·					
	Personaliza to communication (a) filed as 20.5					
•	1)⊠ Responsive to communication(s) filed on <u>28 February 2007</u> . 2a)⊠ This action is FINAL . 2b)□ This action is non-final.					
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-/	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Diamoniti		r parto quayio, 1000 O.D. 11, 4				
	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>1,3 and 5</u> is/are pending in the applicada) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1,3 and 5</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicati	on Papers					
9)[The specification is objected to by the Examiner					
10)🛛	☑ The drawing(s) filed on 29 April 2005 is/are: a)☑ accepted or b)☐ objected to by the Examiner.					
	Applicant may not request that any objection to the o					
	Replacement drawing sheet(s) including the correction					
11)[The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.			
riority u	inder 35 U.S.C. § 119		:			
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau see the attached detailed Office action for a list of	have been received have been received in Application ty documents have been received (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment	· ((s)	•				
1) Notice 2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:	ate			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 3 and 5 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Clauss et al, 5,251,405, as set forth in the previous Office action.

Response to Arguments

3. Applicant's arguments filed 28 February 2007 have been fully considered but they are not persuasive. Applicant argues that Clauss discloses measuring the cam during grinding to indicate to what extend the cam has been processed, but does not disclose detecting a predetermined lift amount, and using that amount to advance or retreat a rotary grindstone by NC control based on the standard phase of the workpiece previously indexed at the first step. The examiner disagrees. It is the examiner's position that Clauss does provide a first step of detecting a predetermined lift amount, that amount being the final or near final dimension of the cam, and advancing or retreating the grindstone by the NC control based on the standard phase of the workpiece indexed at the first step. That Clauss uses the method to determine when grinding is finished is moot, Clauss uses the same method steps when grinding the same workpiece. The standard phase is the rotation of the cam measured from a starting point, to index the cam periphery during grinding. The predetermined lift

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amount is the length of the cam. As the cam is ground, the length is monitored, until a predetermined lift amount or length is detected, and the grinding wheel is advanced to finish grinding, or retracted to end grinding, based on where the point on the cam surface is positioned relative to the standard phase determined in the first step. One of ordinary skill would recognize that the cam, to be properly ground, must finish grinding at that point, or just beyond, where the grinding was started, to prevent any surface of the periphery from being unfinished. Please refer to column 9, lines 5-67. If applicant has other method steps that would define over the art, they should be claimed.

Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maurina Rachuba whose telephone number is 571 272 4493. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hail can be reached on 571 272 4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Maurina Rachuba
Primary Examiner
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